

# U.S. Department of Energy Sustainability Performance Office DOE Sustainability SPOTlight

Issue 54 March 2016

## SUSTAINABILITY NEWS

### CEQ Issues Revised Guiding Principles for Sustainable Federal Buildings

The White House Council on Environmental Quality (CEQ) has issued revisions to the [Guiding Principles for Sustainable Federal Buildings \(Guiding Principles\)](#) per Executive Order (E.O.) 13693, Planning for Federal Sustainability for the Next Decade. The new Guiding Principles updates and replaces the [High Performance and Sustainable Buildings Guidance](#) issued by CEQ in December 2008.

These guidelines outline the new requirements for the design, construction, modernization, and operation of new and existing Federal buildings with the goals of reducing greenhouse gas emissions, protecting the environment, and preparing for climate change as embodied in E.O. 13693.

### 18 Federal Buildings in D.C. Going Solar

The General Services Administration has awarded a contract to WGL Energy Systems for installation of solar photovoltaic panels on 18 Federal buildings in Washington, D.C. It is estimated that the contract will save participating agencies over \$5 million in utility costs over the contract term.



These additions were made as part of the Obama Administration's Capital Solar Challenge, which has the goal of increasing solar use across the federal government. The new solar panels are expected to generate 3.75 million kWh of energy annually, which equates to removing 2,400 metric tons of carbon emissions annually, or taking 500 cars off the roads in one year.

Read more about the program [here](#).

### 2016 Energy and Water Awards Open for Nominations

Each year DOE's Federal Energy Management Program (FEMP), along with the Federal Interagency Task Force, sponsors the Federal Energy and Water Management Awards to honor outstanding federal agency achievements in energy efficiency, water conservation, and vehicle fleet management.

Nominations are submitted through [FEMP's Awards Nomination Website](#) by April 21, 2016. Agency approval deadlines may vary, so check with your [agency coordinator](#) for your internal deadline. For more information, click [here](#).

## SUSTAINABILITY SUPERSTAR

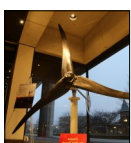


In the FY 2015 reporting cycle, Naval Reactors Sustainability Staff demonstrated their commitment to sustainability reporting by submitting high quality CEDRs for all of their sites on-time.

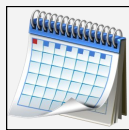
Additionally, NR is working to complete their third round of EISA audits, update their metering plans, and find innovative solutions for power management practices.

Thank you to the Naval Reactors Team for your sustainability efforts!

***Send us your Superstar!***



**Wind Turbine on Display in Lobby of DOE HQ** — Visitors to the DOE Forrestal Building may have noticed the small museum of scientific and technological artifacts in the lobby. The latest addition is a 1.5 kWh wind turbine manufactured by Pika Engineering. The turbine represents a successful partnership between DOE and private industry in pioneering new clean energy technologies that will transform our nation's energy generation. Visit the exhibit or read more about the display [here](#).



## UPCOMING EVENTS AND MILESTONES

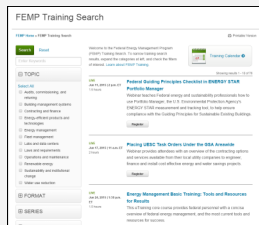
Mar 17: [Placing UESC Task Orders Under the GSA Areawide Contract](#)

Mar 29-31: [Energy Savings Performance Contracts Workshop \(Nashville, TN\)](#)

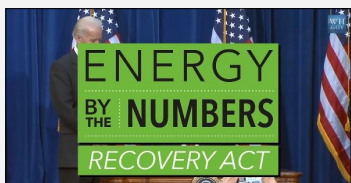
Mar 31: [Getting Data Center Energy Management Started with Profiler Tools](#)

## ON-DEMAND TRAINING

Visit the Federal Energy Management Program's [Training Search](#) for a comprehensive collection of on-demand trainings.



## VIDEO SPOTLIGHT



Check out this edition of [Energy by the Numbers: Recovery Act](#)

## SUSTAINABILITY SUCCESS STORIES

### Sandia National Laboratory Makes Headway in Solar Storage

Finding ways to utilize solar power after the sun sets has been an ongoing challenge for researchers. At Sandia National Laboratory (SNL) researchers have been experimenting with energy storage solutions, most recently testing a falling particle receiver at the National Solar Thermal Test Facility.



The new process works by dropping sand-like ceramic particles through a beam of concentrated sunlight; the heated particles are captured and stored in an insulated tank. The ceramic particles can withstand much higher temperatures than current materials, allowing more energy to be stored in a smaller volume.

Read more about the project [here](#).

### ORNL Sees More Gold

Oak Ridge National Laboratory (ORNL) is adding another building to its list of Leadership in Energy & Environment Design (LEED) Gold certified buildings – the Chestnut Ridge Maintenance Shops (CRMS). The CRMS achieved this certification by maximizing outdoor green space, and using water efficient landscaping, low-flow water fixtures, high efficiency HVAC components, and high-performance building skins.



These features combine to achieve an energy savings on the order of 30 percent. This will be the 16th building on the ORNL campus to earn LEED certification.

For more information, click [here](#).

### ETTP Making Progress against Sustainability Targets

The former K-25 Gaseous Diffusion Plant — permanently closed in 1987 — is undergoing cleanup for ultimate conversion to a private-sector industrial park known as the East Tennessee Technology Park (ETTP). With the help of URS | CH2M Oak Ridge LLC (UCOR), ETTP has surpassed many sustainability targets. Examples include reducing water usage by 62% and electricity usage by 67%, reducing greenhouse gas emissions from direct emitting sources by 77%, and diversion of 55% of non-radiological construction and demolition waste, as compared with baseline values.

For more information about the project, visit [here](#).

The **greengov** Leader  
Council on Environmental Quality

Check out CEQ's latest GreenGov Leader newsletter:

<https://www.fedcenter.gov/assistance/newsletters/greengovleader/>



U.S. DEPARTMENT OF  
**ENERGY**

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